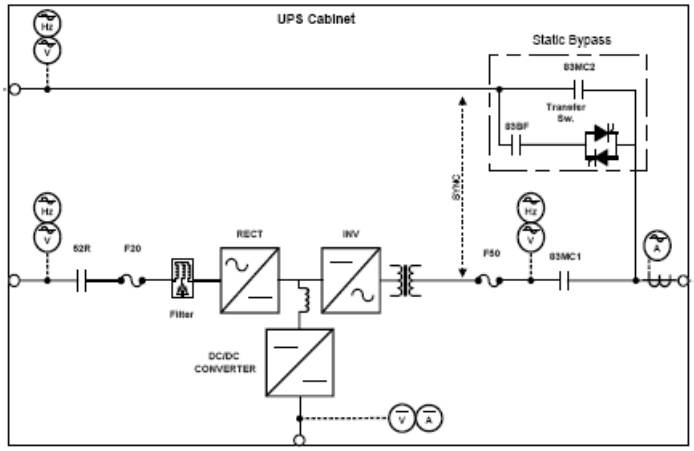
TOSHIBA
Leading Innovation

G8000MM Series

Single/Parallel/Redundant

Three Phase UPS

750 kVA



Features at-a-glance

- Single/Parallel in one box for modular design
- Parallel Circuits in each UPS for reliability
- True Online, Double-Conversion Technology
- Dual Input Design (Alternate Input for bypass)
- Static Bypass Switch
  - Thyristor + Contactor for highest reliability
- LCD Touch screen Graphic Display
- IGBT Inverter – Space Vector Modulation
- Output Isolation Transformer
- All Digital Signal Processor (DSP) software logic using 12 bit processor
- Front Access for Installation and Maintenance.
- Top Access for Power Cables.
- Battery Temperature Compensation
- Generator Compatible 1.1:1
- Monitoring Options
  - RemotEye II (SNMP/Web)
  - Memory Card w/software
  - Dry Contacts

Input Specifications

Voltage range:	480V +15% -15%
(Optional Cabinet for	208V, 600V)
Frequency range:	60Hz, +/- 5%
Power factor:	>0.98
Input current THD:	less than 6% at 100% load
Surge protection:	Meets ANSI C62.41

Battery Specifications

Cabinets or Racks with DC Breaker

Battery type:	Sealed Valve Regulated Lead-Acid
Recharge time:	10 x discharge time to 90% capacity
DC Link:	480VDC Nominal

Output Specifications: 750 kVA/675 kW (0.9PF)

Voltage:	480Y/277V Standard (Optional 600/347V)
Voltage regulation:	+/- 1%
Freq. regulation:	+/- 0.05% (Free running)
Dynamic response:	+/-2% at 100% step load (recovery in less than 1 cycle)
Voltage Distortion:	
	Less than 2% for 100% linear load
	Less than 5% for 100% non-linear load
Freq. sync range:	+/- 5% (user selectable)
Freq. slew rate:	1 – 10 Hz/second (user selectable)
Voltage adjustment:	+/-5% (user selectable)
Overload capacity:	500% for 1 cycle 150% for 1 minute 125% for 10 minutes
Crest Factor:	2.3 : 1

Environmental Specifications

Ambient temperature: 0C to +40C
Relative humidity: 5%-95% Non-Condensing
Altitude: 0 to 9000 feet without derating
Audible noise: Less than 80 dBA at 1 meter

Safety

UL/CUL 1778 Listed
All cabinets provide for seismic zone 4 mounting

Options

Input/Output Transformer Cabinet
Maintenance Bypass Cabinet
RemotEye II™ Network Adapter
"Security Plus" Maintenance Agreement

TOSHIBA
Leading Innovation >>>

G8000MM 750 kVA UPS Specifications

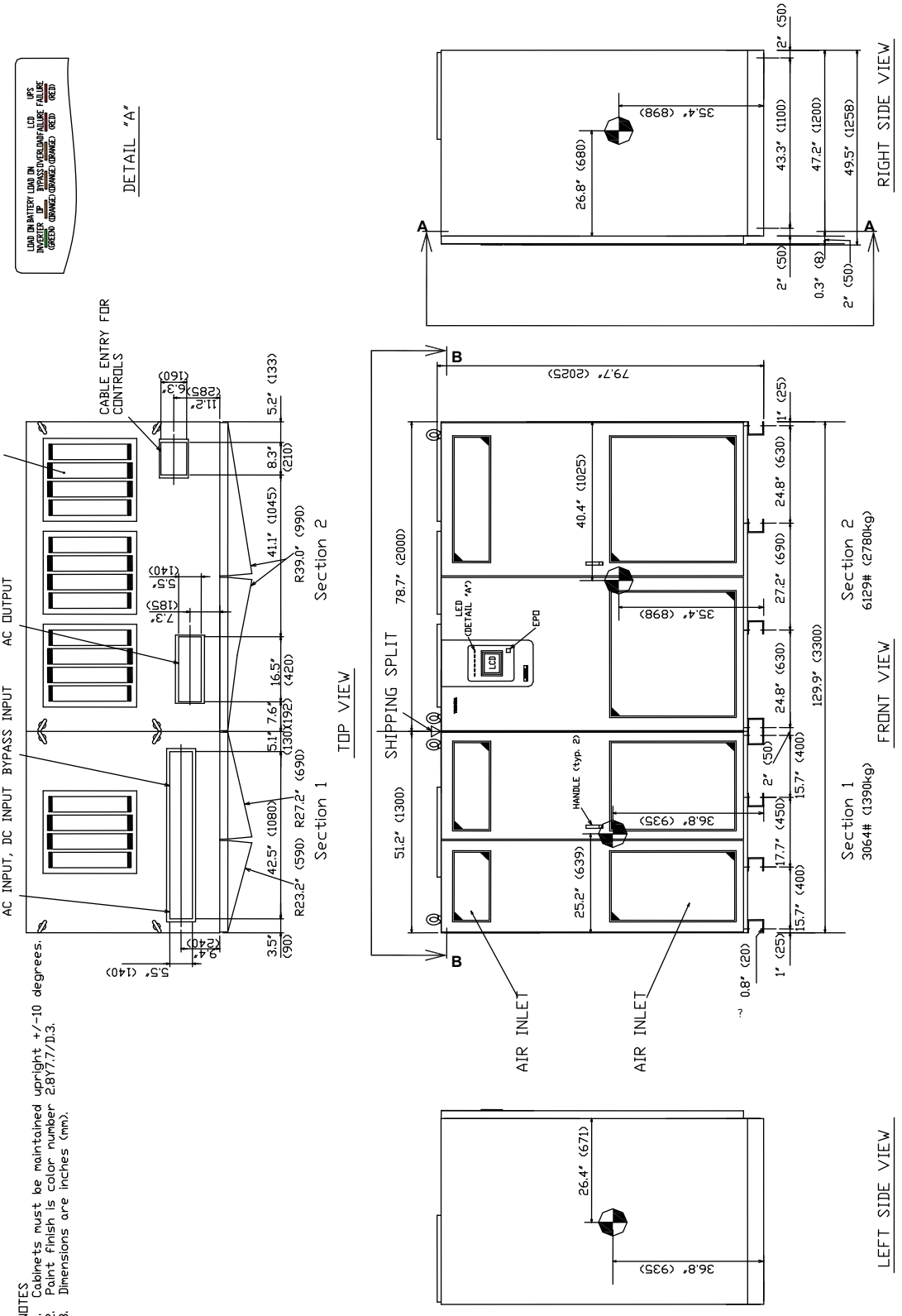
Item: T8MS3K75KK6XSN		750
		750kVA/675kW
Input Voltage	Volts	480
Output Voltage	Volts	480/277
Input Voltage Range		+15% to -15%
Minimum	Volts	408
Maximum	Volts	552
Frequency	Hz	60
AC Input Current		(> 0.98 PF)
Nominal Amps	Amps	880
Maximum Amps (1)	Amps	934
Bypass Input	Volts	480/277
Nominal Amps	Amps	902
AC Output Current		(at 0.9 PF)
Nominal Amps	Amps	902
10 Minutes Max.	Amps	1128

Item: T8MS3K75KK6XSN		750
		750kVA/675kW
DC Link		
Nominal DC Voltage	Volts	480
Float Voltage	Volts	545
End of Discharge	Volts	400
Charger	Amps	92.5 (Max)
Efficiency		
Efficiency	%	94.1

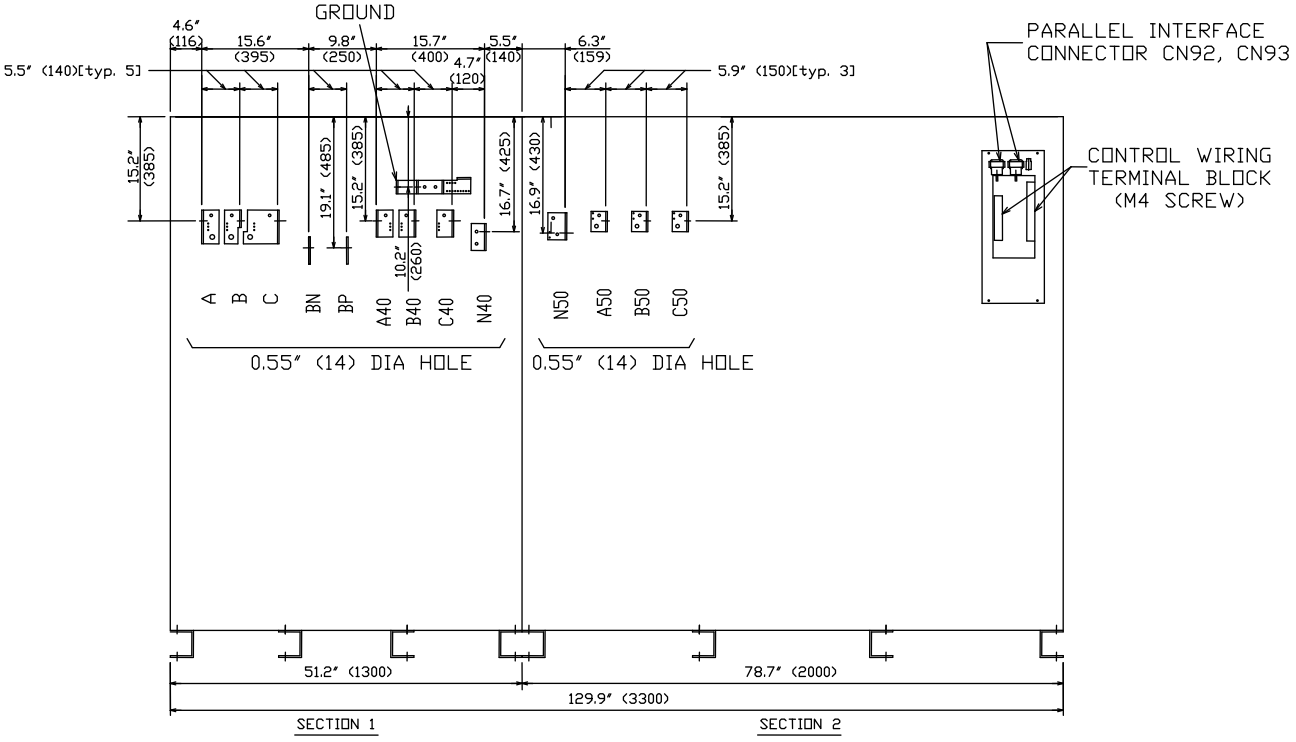
Full Load Heat Dissipation		
BTU/Hr.		144,407
kW		42.3

(1) Maximum Amps equals full load current plus battery recharge current.

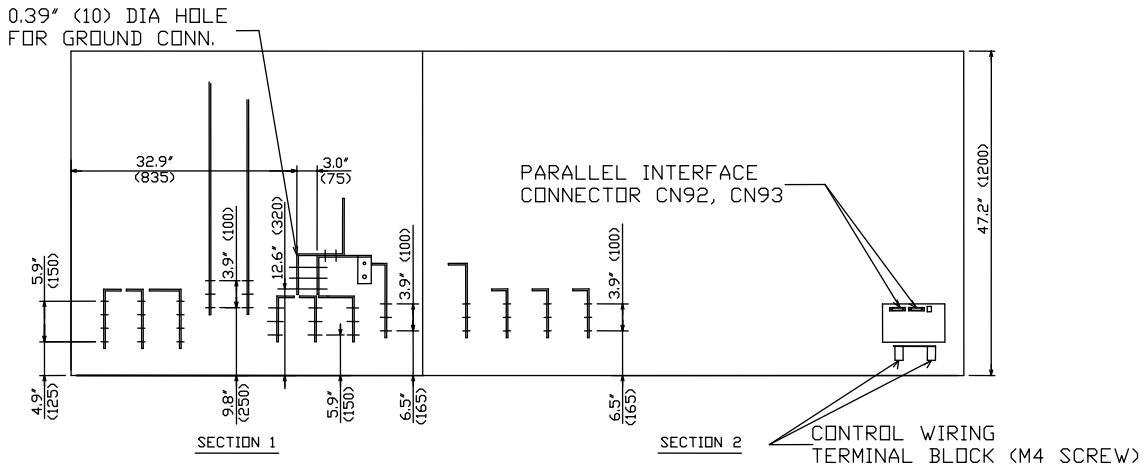
G8000MM 750 kVA UPS Specifications



G8000MM 750 kVA UPS Specifications



SECTION A-A



SECTION B-B